

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070122\
 Data File : VU049597.D
 Acq On : 01 Jul 2022 21:18
 Operator : SY/MD
 Sample : N3564-24
 Misc : 4.17g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-5-GR

Quant Time: Jul 04 06:51:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

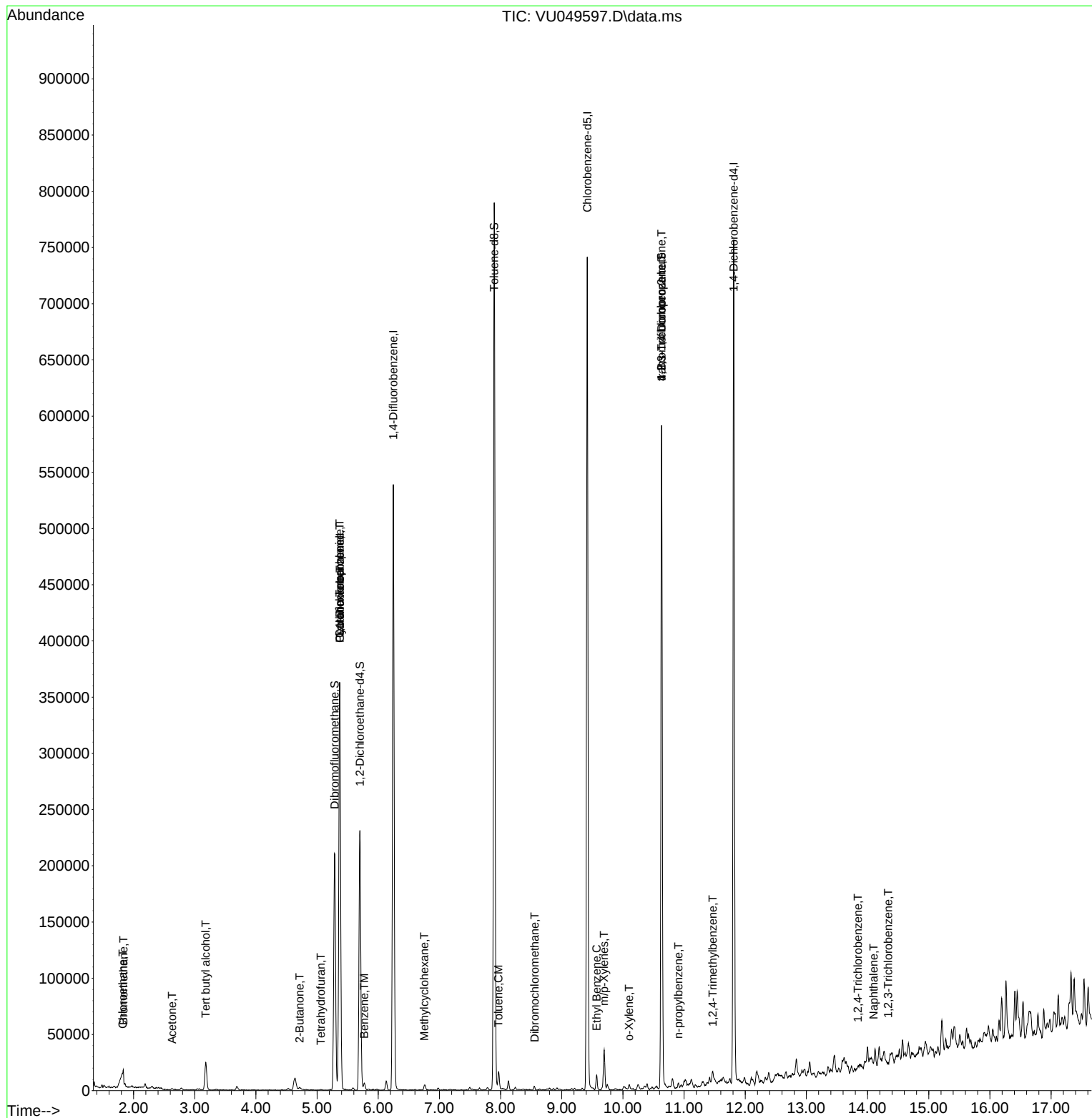
Internal Standards						
1) Pentafluorobenzene	5.372	168	244333	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	430598	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	398048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	197494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	170289	45.255	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.500%		
35) Dibromofluoromethane	5.285	113	136333	45.255	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.500%		
50) Toluene-d8	7.896	98	522385	48.616	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.240%		
62) 4-Bromofluorobenzene	10.632	95	196851	47.825	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.640%		
Target Compounds						
3) Chloromethane	1.514	50	2091	Below Cal		92
5) Bromomethane	1.832	94	335	0.273 ug/l	#	4
6) Chloroethane	1.822	64	192	2.017 ug/l	#	44
11) Tert butyl alcohol	3.179	59	15664	17.785 ug/l	#	37
16) Acetone	2.629	43	1489	0.785 ug/l	#	69
20) Methylene Chloride	3.047	84	401	Below Cal	#	92
25) 2-Butanone	4.713	43	3495	1.229 ug/l	#	86
29) Tetrahydrofuran	5.063	42	474	0.243 ug/l	#	33
31) Cyclohexane	5.372	56	6228	1.102 ug/l	#	1
36) 1,1-Dichloropropene	5.369	75	19516	4.468 ug/l	#	48
38) Carbon Tetrachloride	5.369	117	25864	5.646 ug/l	#	15
39) Methylcyclohexane	6.755	83	1944	0.371 ug/l	#	77
40) Benzene	5.771	78	5497	0.417 ug/l		100
52) Toluene	7.967	92	6393	0.816 ug/l		99
60) Dibromochloromethane	8.555	129	761	0.226 ug/l	#	11
67) Ethyl Benzene	9.571	91	9118	0.610 ug/l		98
68) m/p-Xylenes	9.693	106	9549	1.728 ug/l		86
69) o-Xylene	10.098	106	1172	0.214 ug/l		95
76) 1,2,3-Trichloropropane	10.632	75	100666	15.036 ug/l	#	46
78) n-propylbenzene	10.909	91	3680	0.215 ug/l		93
81) trans-1,4-Dichloro-2-b...	10.632	75	100666	55.527 ug/l	#	15
84) 1,2,4-Trimethylbenzene	11.468	105	4018	0.333 ug/l		94
93) 1,2,4-Trichlorobenzene	13.841	180	163	1.789 ug/l	#	1
95) Naphthalene	14.098	128	3366	1.946 ug/l	#	80
96) 1,2,3-Trichlorobenzene	14.336	180	432	1.270 ug/l	#	49

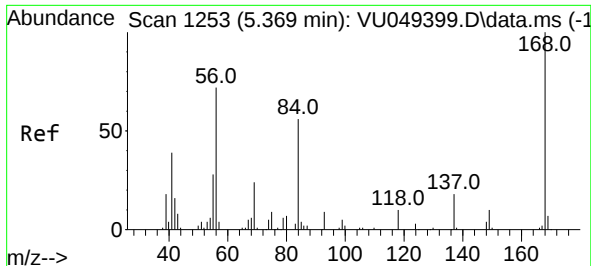
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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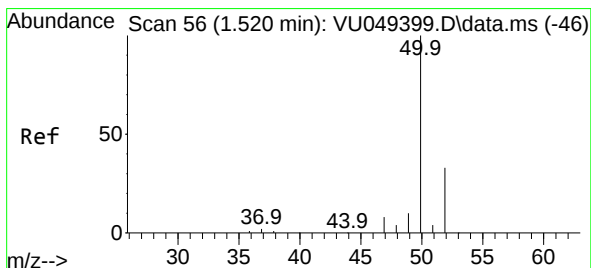
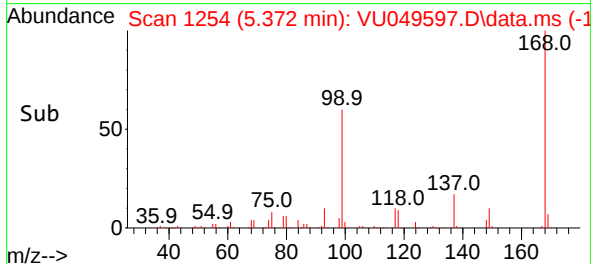
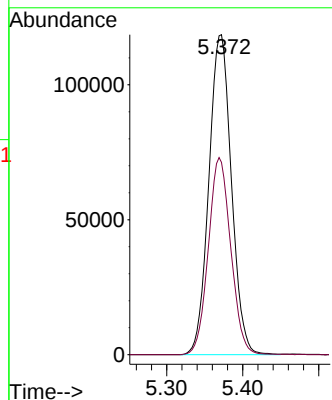
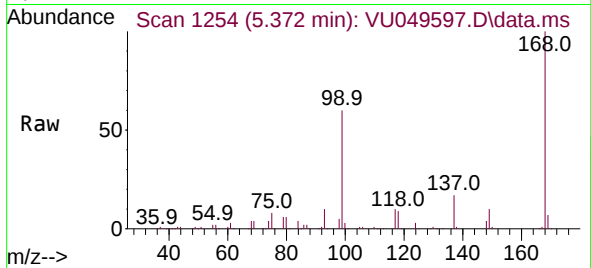




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

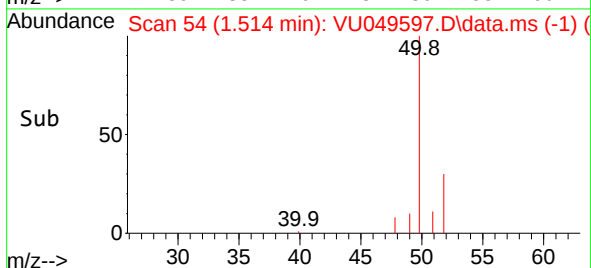
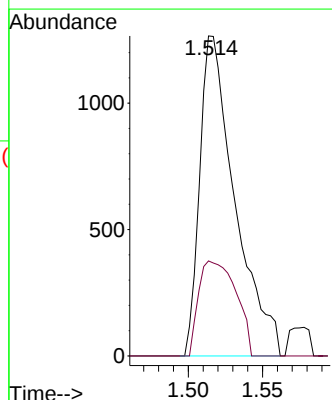
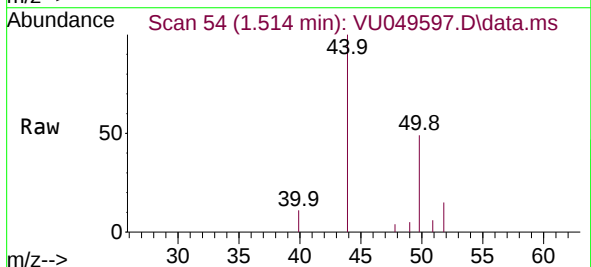
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5-GR

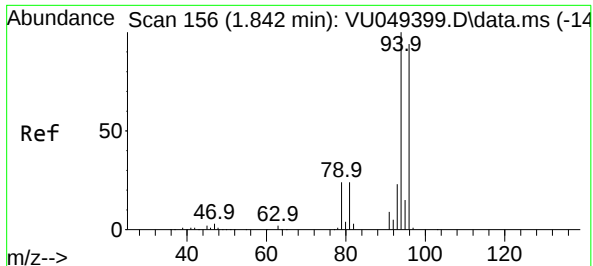
Tgt Ion:168 Resp: 244333
Ion Ratio Lower Upper
168 100
99 60.1 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.514 min Scan# 54
Delta R.T. -0.006 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Tgt Ion: 50 Resp: 2091
Ion Ratio Lower Upper
50 100
52 29.7 27.4 41.2

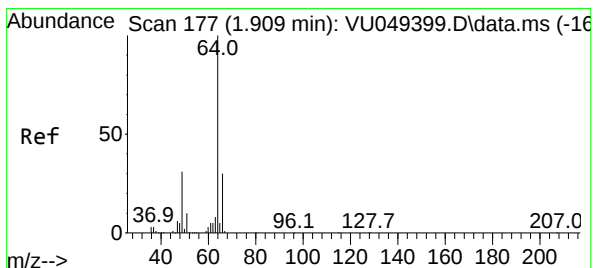
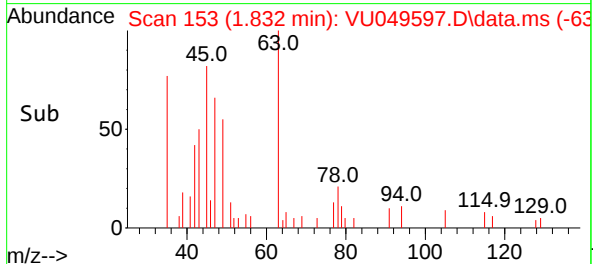
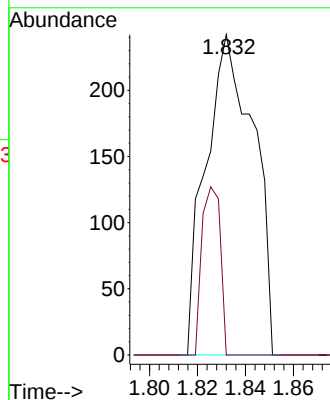
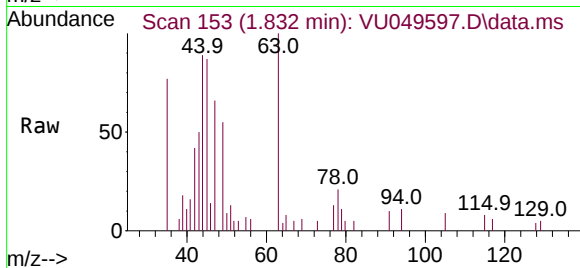




#5
Bromomethane
Concen: 0.273 ug/l
RT: 1.832 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

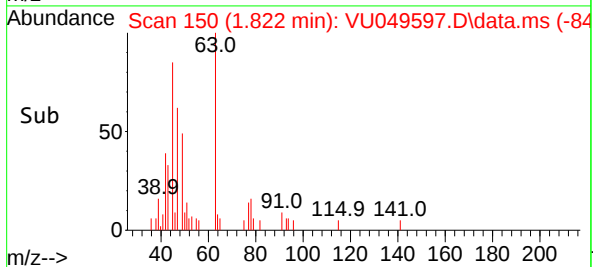
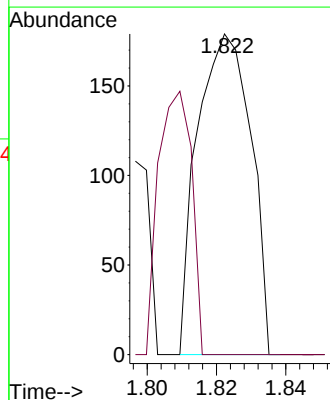
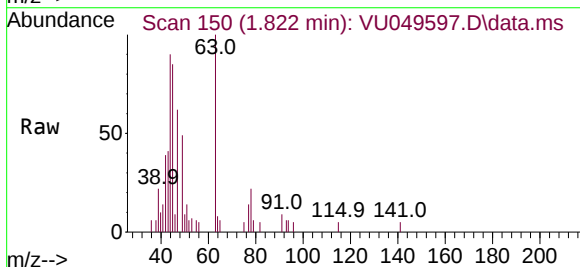
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5-GR

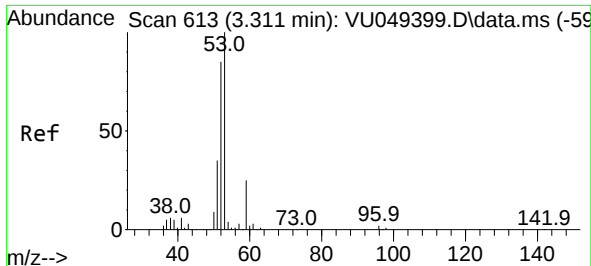
Tgt Ion: 94 Resp: 335
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: 2.017 ug/l
RT: 1.822 min Scan# 150
Delta R.T. -0.087 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Tgt Ion: 64 Resp: 192
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

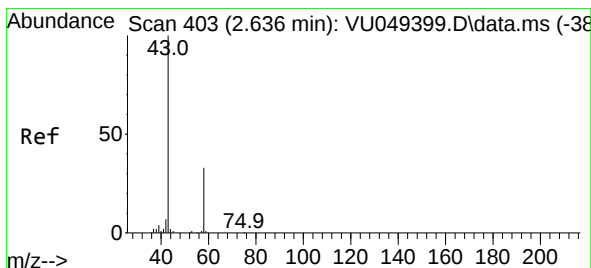
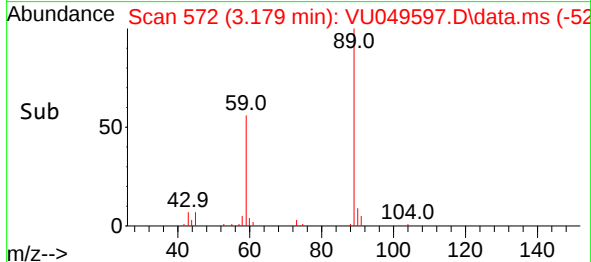
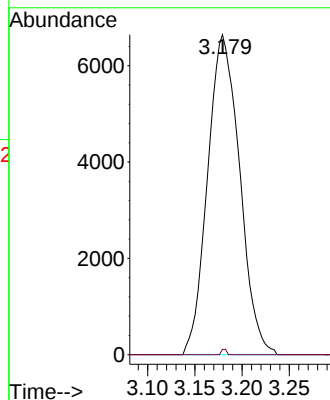
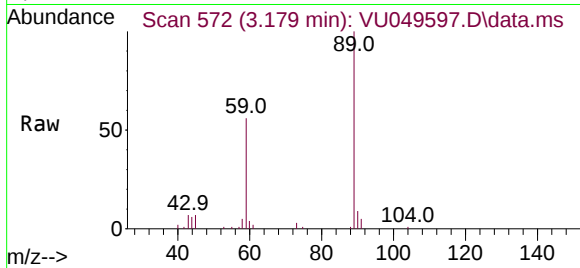




#11
Tert butyl alcohol
Concen: 17.785 ug/l
RT: 3.179 min Scan# 51
Delta R.T. -0.132 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

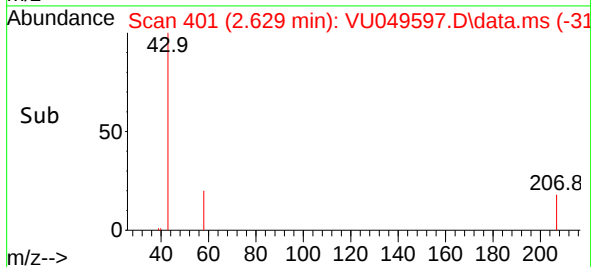
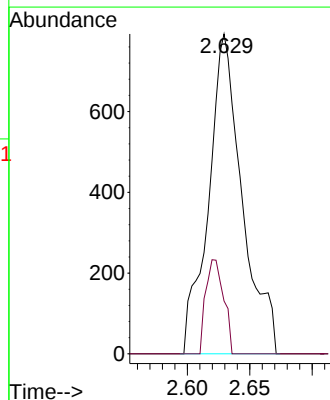
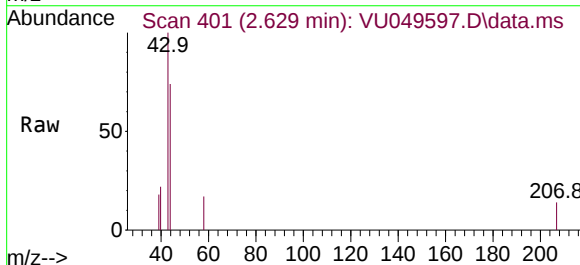
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5-GR

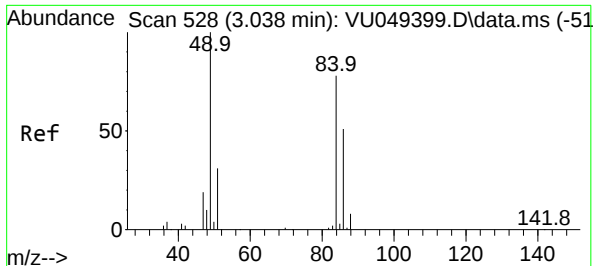
Tgt Ion: 59 Resp: 15664
Ion Ratio Lower Upper
59 100
57 0.3 30.6 45.8#



#16
Acetone
Concen: 0.785 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.006 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

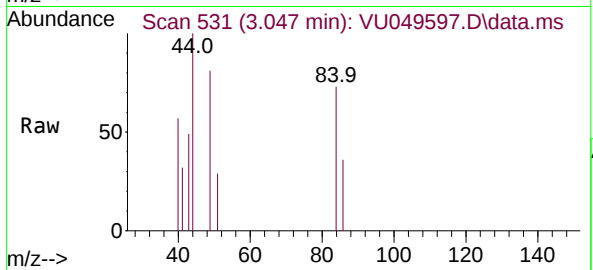
Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
58 16.5 27.5 41.3#



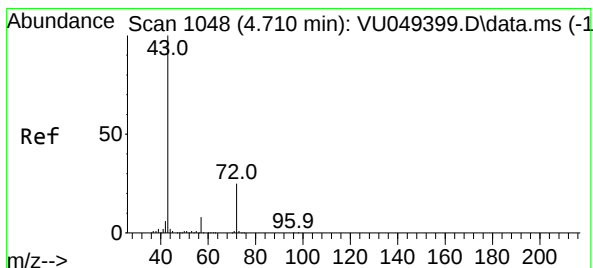
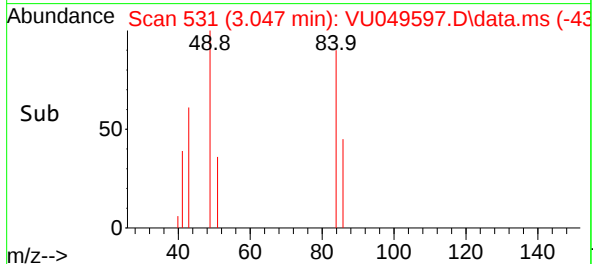
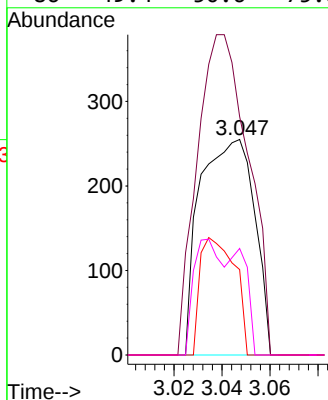


#20
Methylene Chloride
Concen: Below Cal
RT: 3.047 min Scan# 51
Delta R.T. 0.010 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5-GR

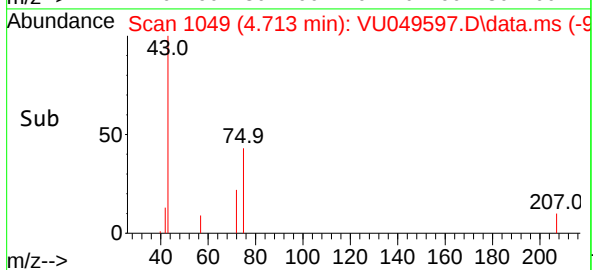
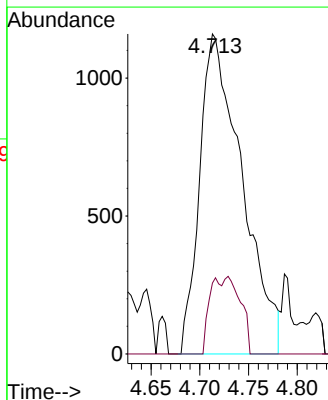
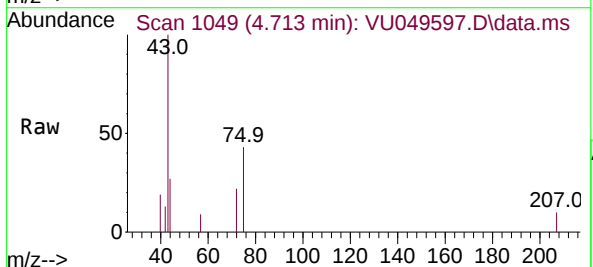


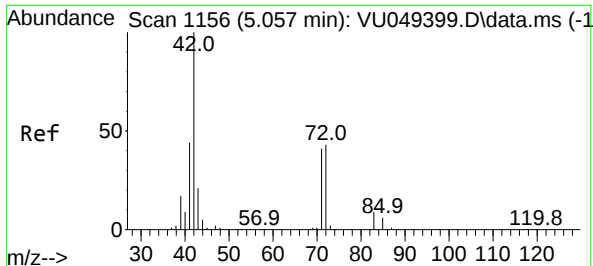
Tgt Ion:	84	Resp:	401
Ion	Ratio	Lower	Upper
84	100		
49	110.6	86.6	129.8
51	39.6	26.6	40.0
86	49.4	50.6	75.8



#25
2-Butanone
Concen: 1.229 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Tgt Ion:	43	Resp:	3495
Ion	Ratio	Lower	Upper
43	100		
72	22.2	23.8	35.6





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.063 min Scan# 1156

Delta R.T. 0.006 min

Lab File: VU049597.D

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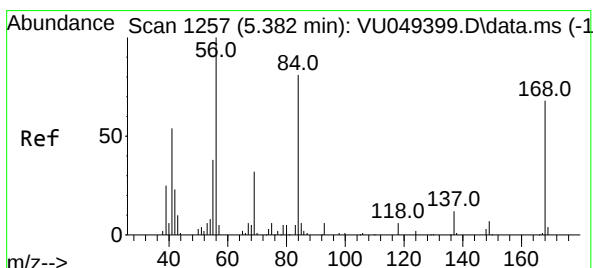
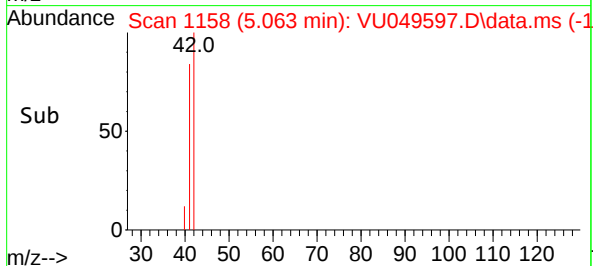
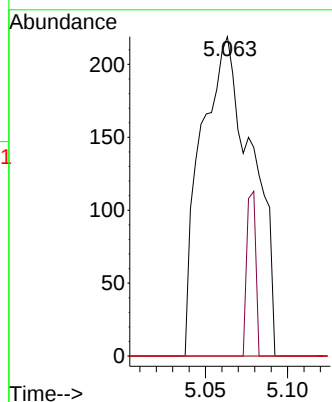
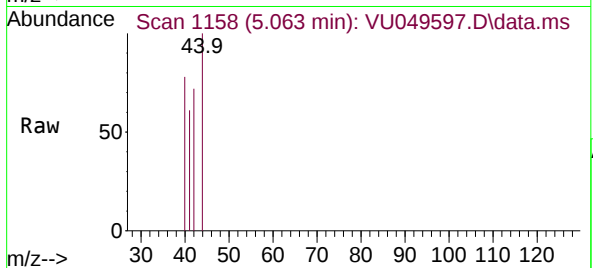
Instrument :

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ClientSampleId :

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Tgt Ion: 42	Resp: 474
Ion Ratio	Lower Upper
42	100
72	9.1 42.6 63.8#
71	0.0 40.3 60.5#



#31

Cyclohexane

Concen: 1.102 ug/l

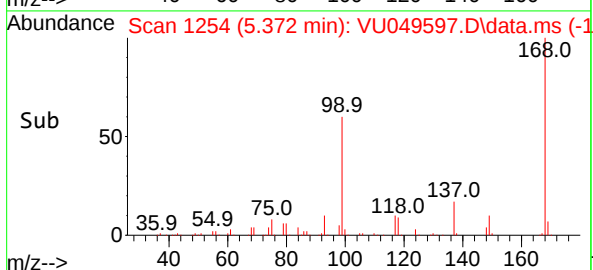
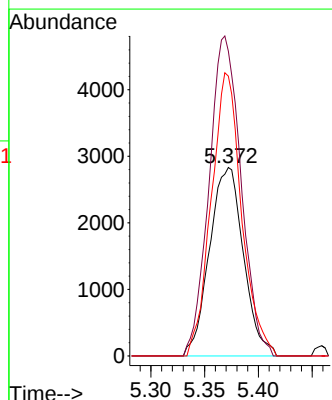
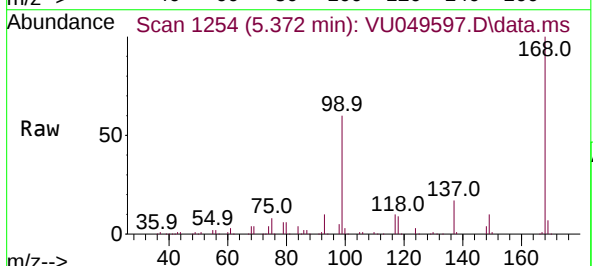
RT: 5.372 min Scan# 1254

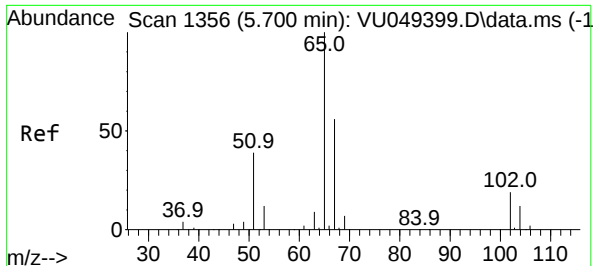
Delta R.T. -0.010 min

Lab File: VU049597.D

Acq: 01 Jul 2022 21:18

Tgt Ion: 56	Resp: 6228
Ion Ratio	Lower Upper
56	100
69	161.8 27.8 41.8#
84	148.5 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 45.255 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049597.D

Acq: 01 Jul 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

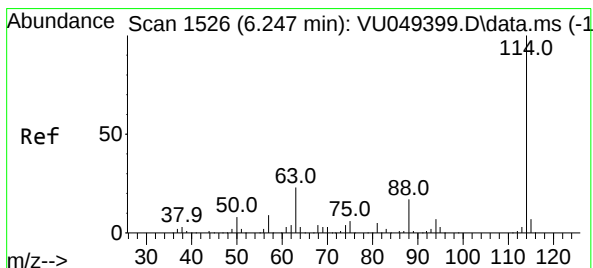
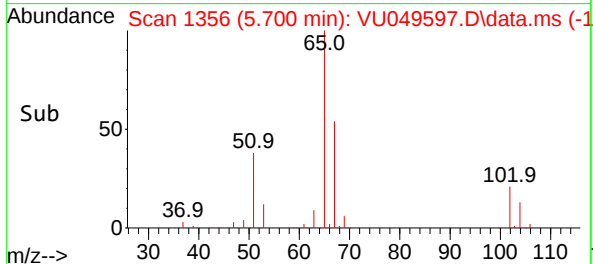
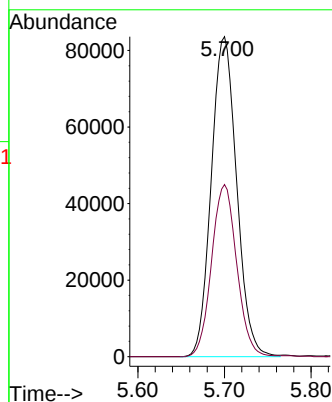
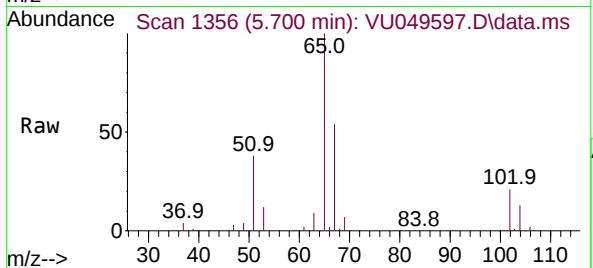
WC-16-2-5-GR

Tgt Ion: 65 Resp: 170289

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. 0.000 min

Lab File: VU049597.D

Acq: 01 Jul 2022 21:18

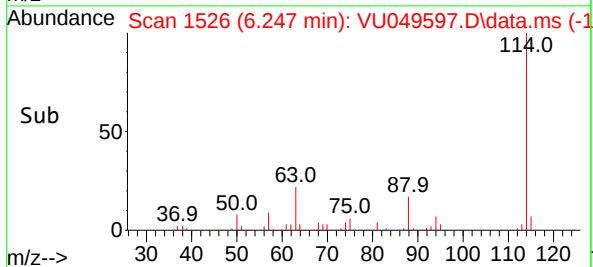
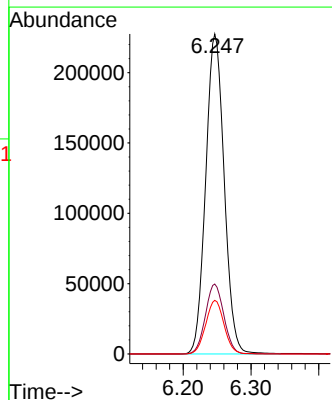
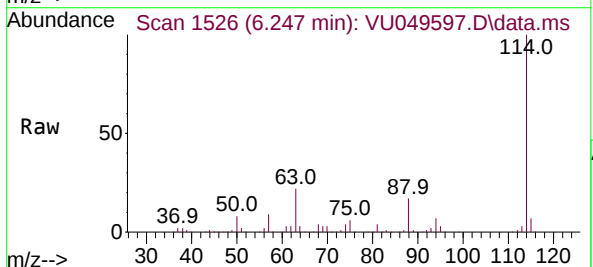
Tgt Ion: 114 Resp: 430598

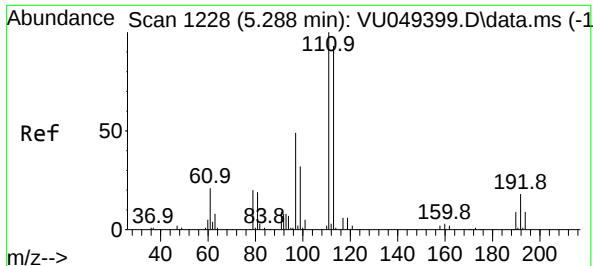
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.7 0.0 29.2





#35

Dibromofluoromethane

Concen: 45.255 ug/l

RT: 5.285 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU049597.D

Acq: 01 Jul 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

WC-16-2-5-GR

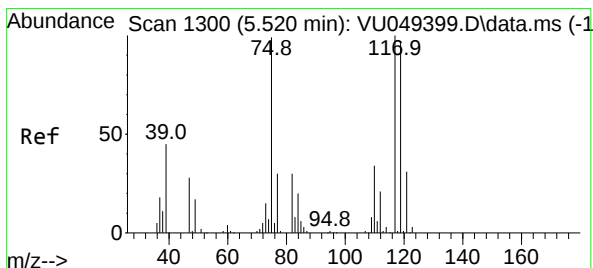
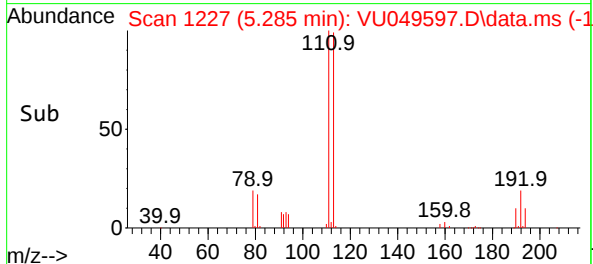
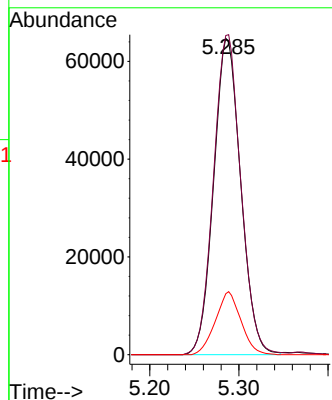
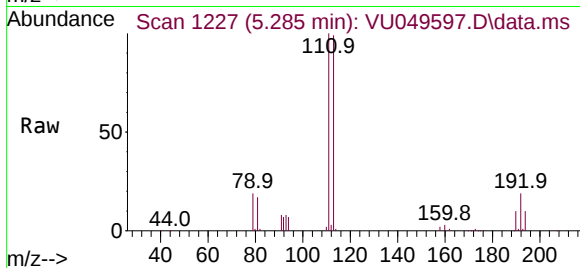
Tgt Ion:113 Resp: 136333

Ion Ratio Lower Upper

113 100

111 102.2 82.1 123.1

192 18.8 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.468 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.151 min

Lab File: VU049597.D

Acq: 01 Jul 2022 21:18

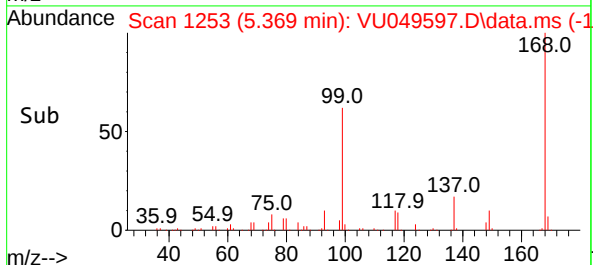
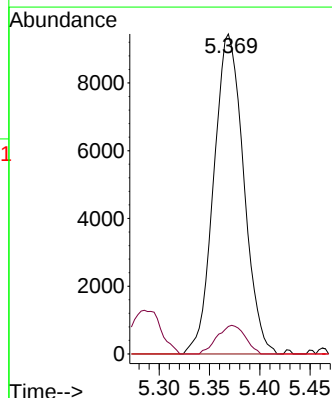
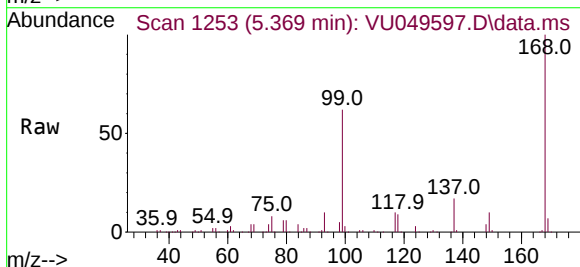
Tgt Ion: 75 Resp: 19516

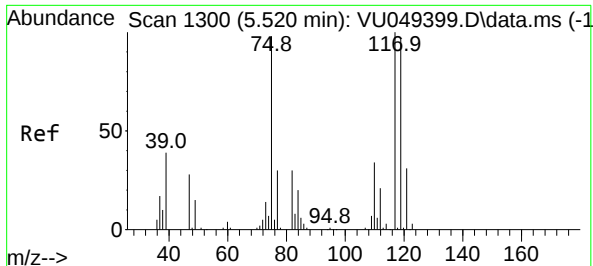
Ion Ratio Lower Upper

75 100

110 8.4 18.4 55.2#

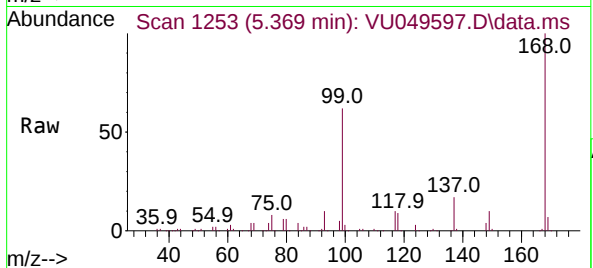
77 0.0 25.1 37.7#



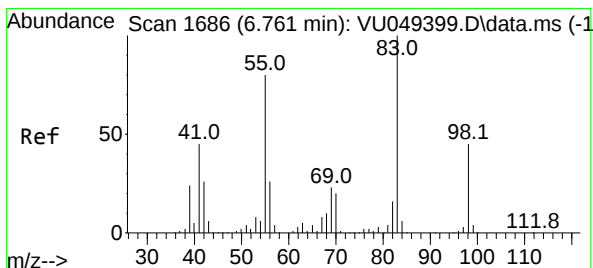
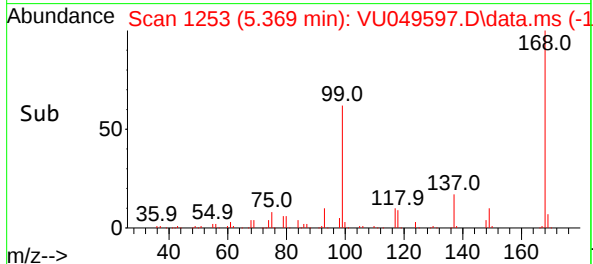
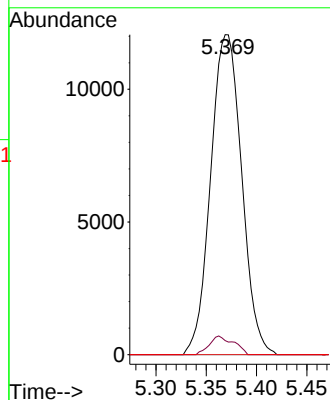


#38
Carbon Tetrachloride
Concen: 5.646 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5-GR

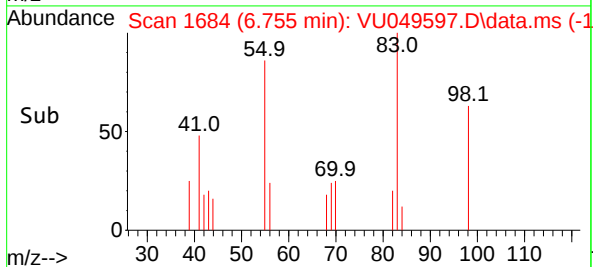
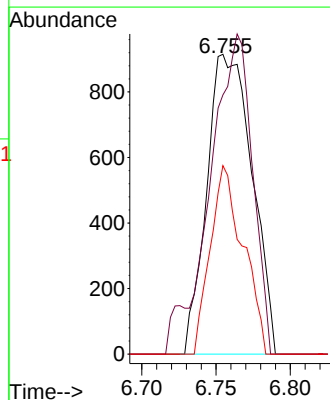
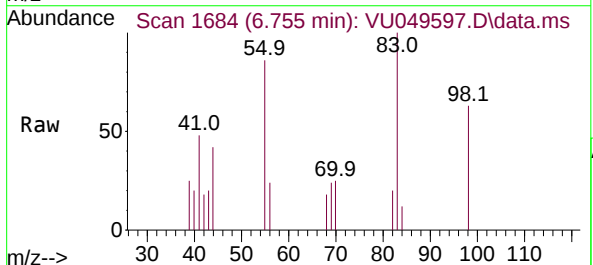


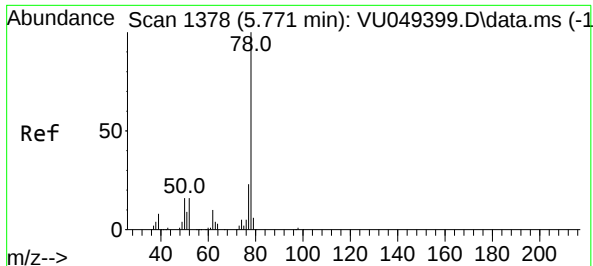
Tgt Ion:117 Resp: 25864
Ion Ratio Lower Upper
117 100
119 4.4 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.371 ug/l
RT: 6.755 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Tgt Ion: 83 Resp: 1944
Ion Ratio Lower Upper
83 100
55 86.4 55.3 82.9#
98 62.8 37.3 55.9#

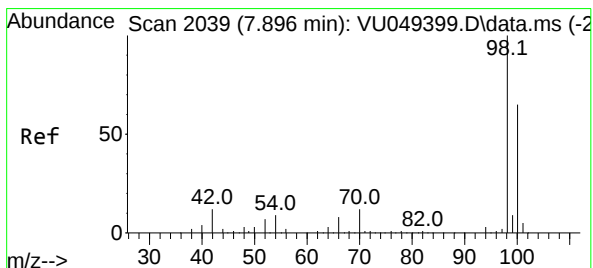
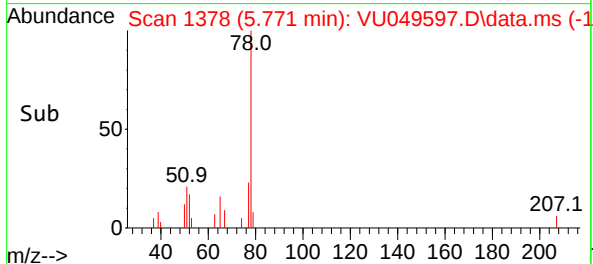
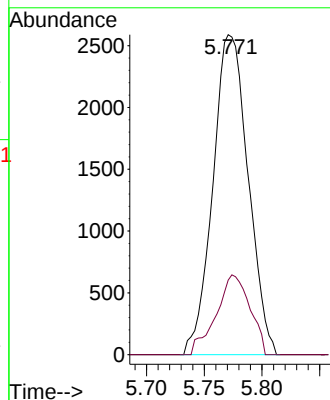
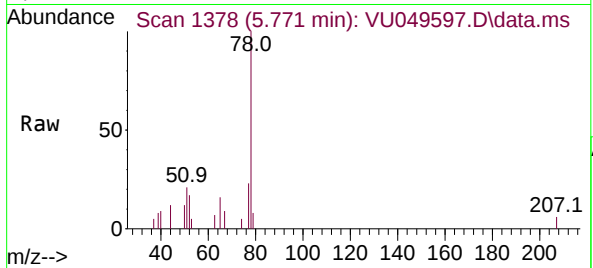




#40
Benzene
Concen: 0.417 ug/l
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

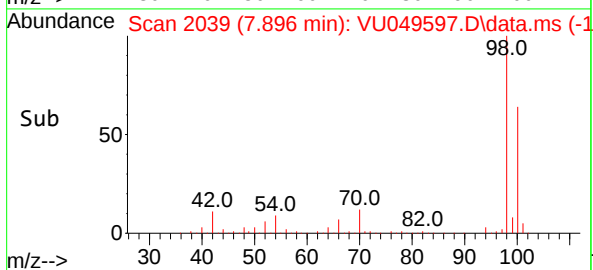
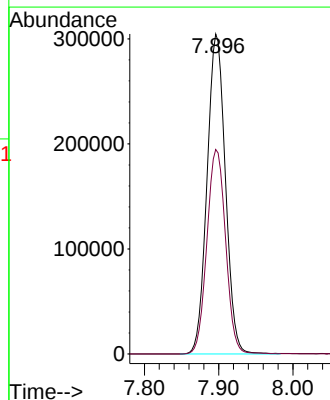
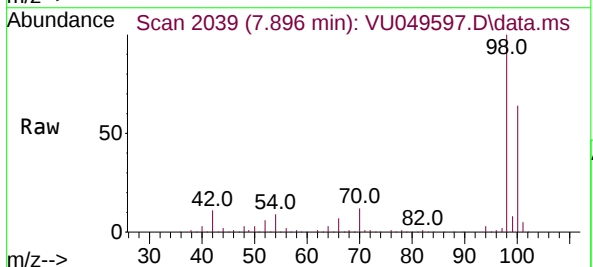
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5-GR

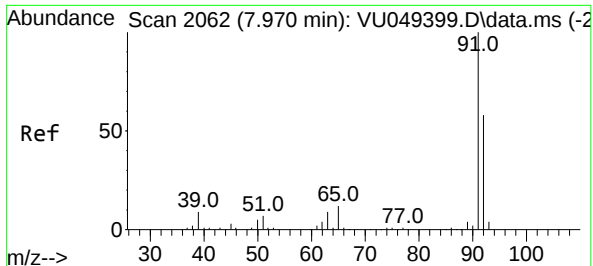
Tgt Ion: 78 Resp: 5497
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



#50
Toluene-d8
Concen: 48.616 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Tgt Ion: 98 Resp: 522385
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5

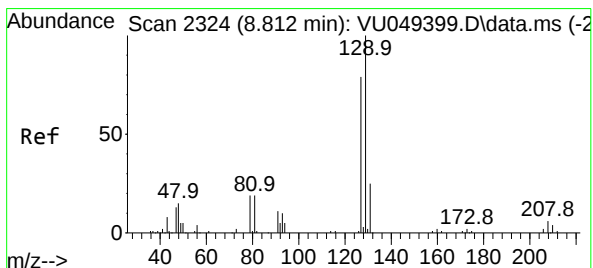
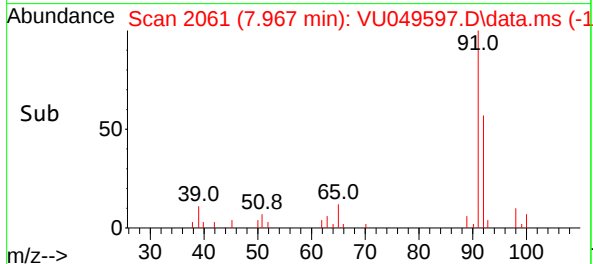
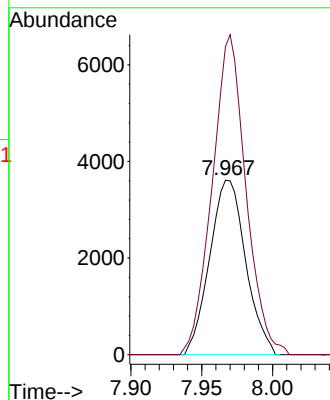
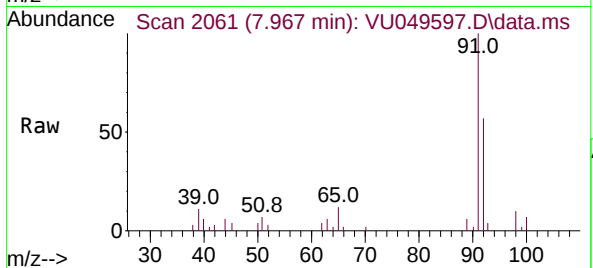




#52
Toluene
Concen: 0.816 ug/l
RT: 7.967 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

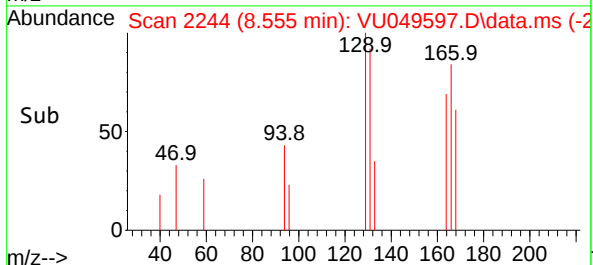
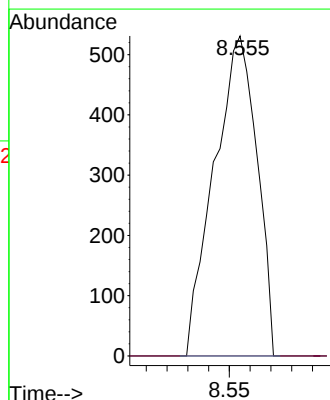
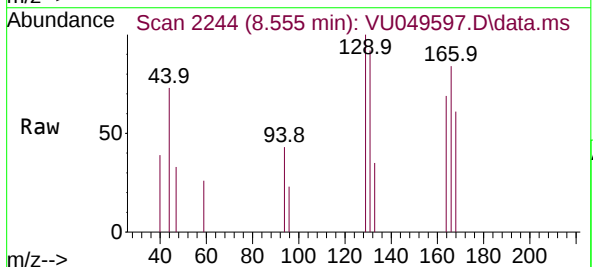
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5-GR

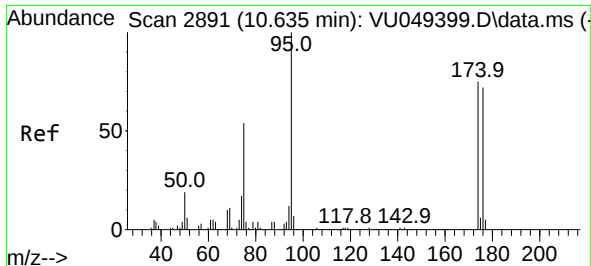
Tgt Ion: 92 Resp: 6393
Ion Ratio Lower Upper
92 100
91 171.8 138.2 207.4



#60
Dibromochloromethane
Concen: 0.226 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Tgt Ion: 129 Resp: 761
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

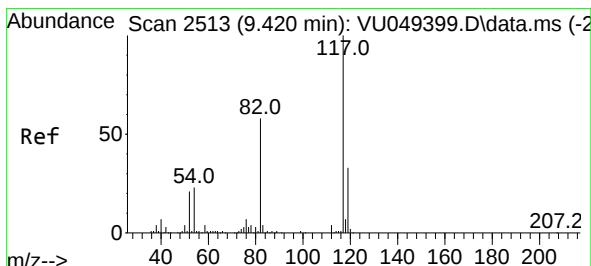
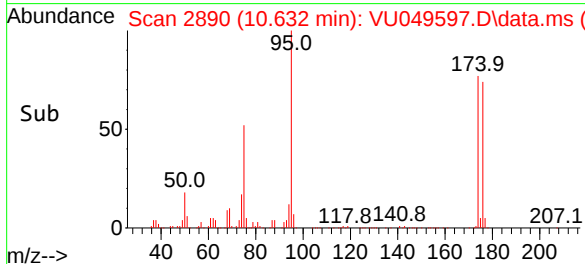
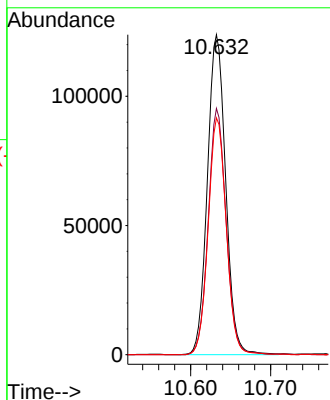
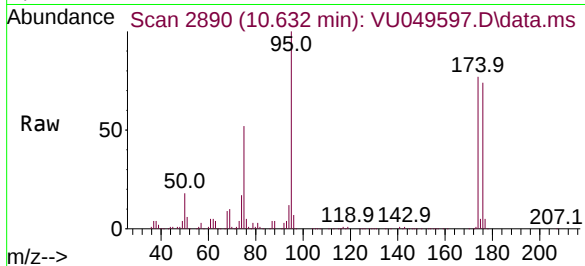




#62
4-Bromofluorobenzene
Concen: 47.825 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

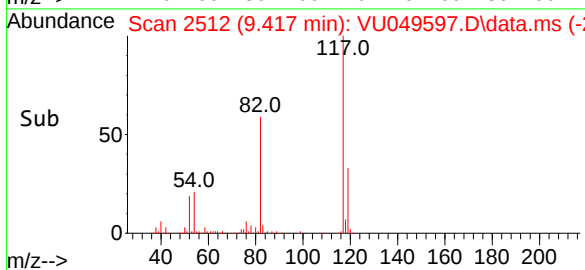
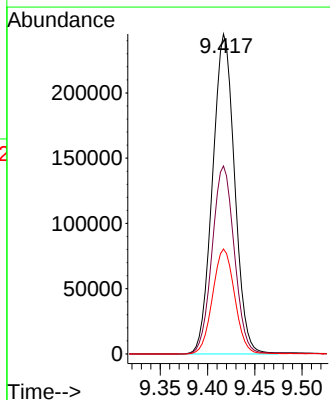
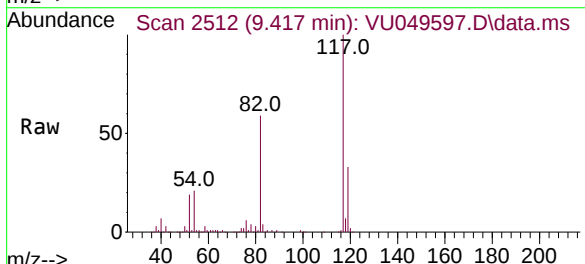
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5-GR

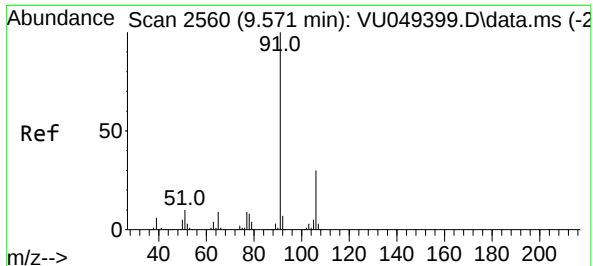
Tgt Ion: 95 Resp: 196851
Ion Ratio Lower Upper
95 100
174 75.4 0.0 182.0
176 73.0 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Tgt Ion: 117 Resp: 398048
Ion Ratio Lower Upper
117 100
82 58.8 41.7 62.5
119 32.8 25.7 38.5





#67

Ethyl Benzene

Concen: 0.610 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU049597.D

Acq: 01 Jul 2022 21:18

Instrument :

MSVOA_U

ClientSampleId :

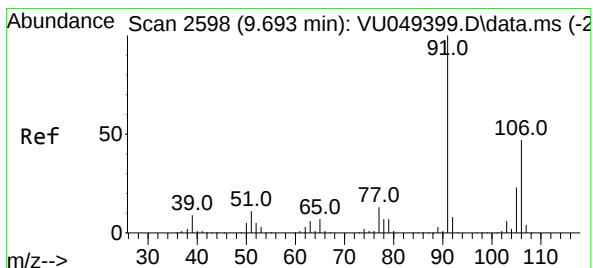
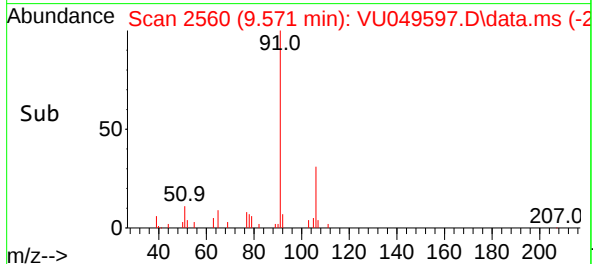
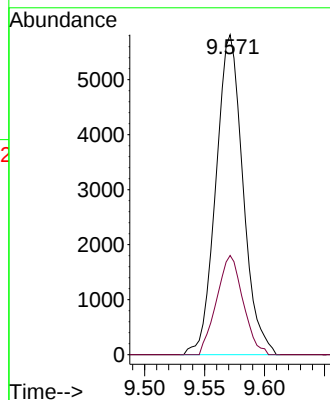
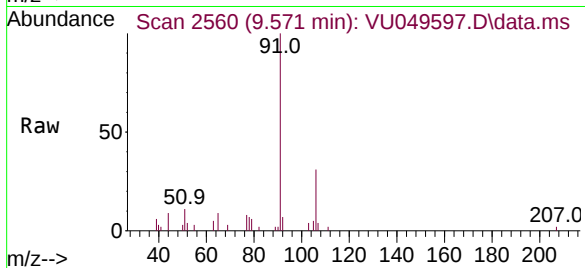
WC-16-2-5-GR

Tgt Ion: 91 Resp: 9118

Ion Ratio Lower Upper

91 100

106 31.0 25.6 38.4



#68

m/p-Xylenes

Concen: 1.728 ug/l

RT: 9.693 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU049597.D

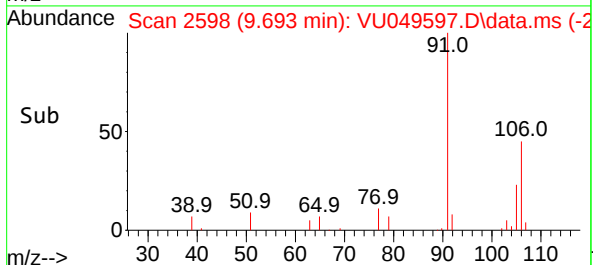
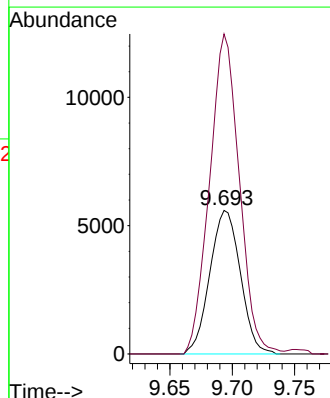
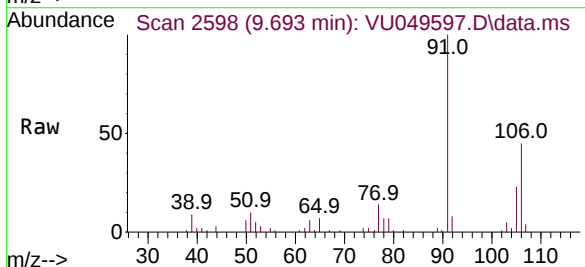
Acq: 01 Jul 2022 21:18

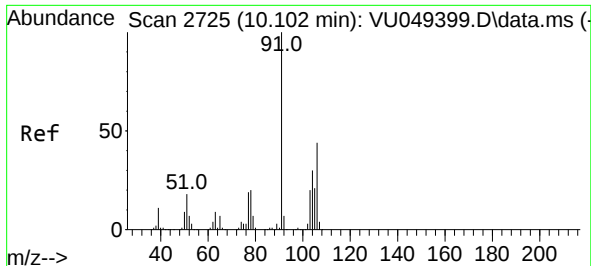
Tgt Ion: 106 Resp: 9549

Ion Ratio Lower Upper

106 100

91 217.0 157.2 235.8

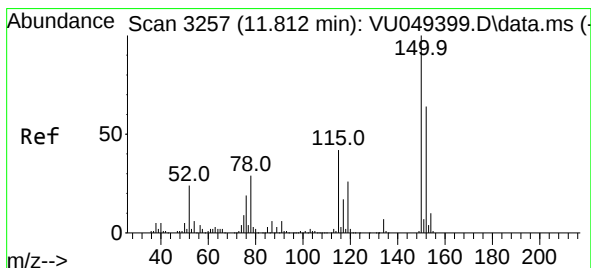
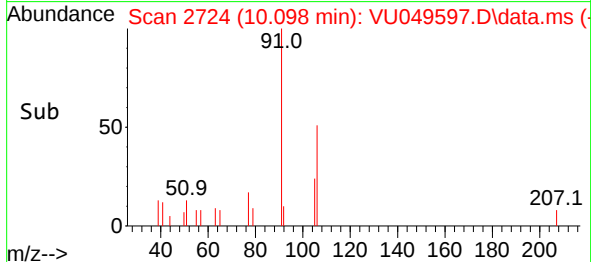
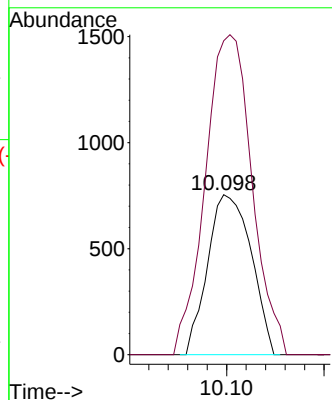
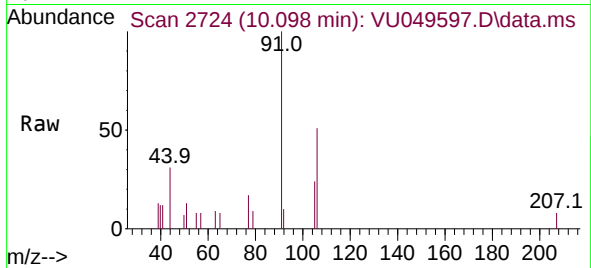




#69
o-Xylene
Concen: 0.214 ug/l
RT: 10.098 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

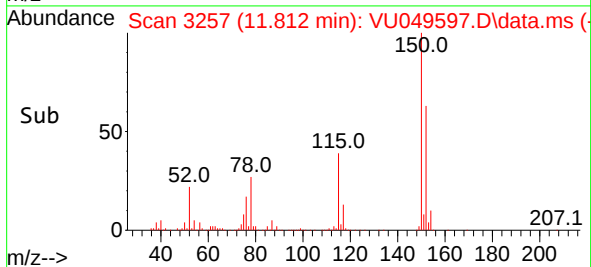
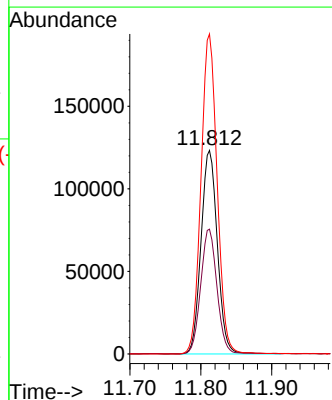
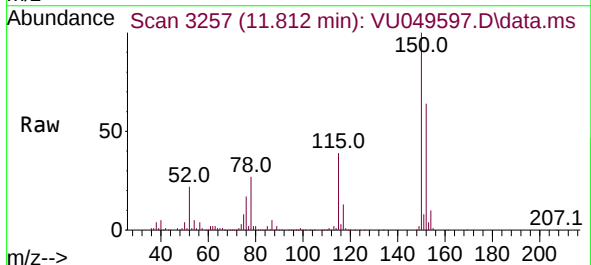
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5-GR

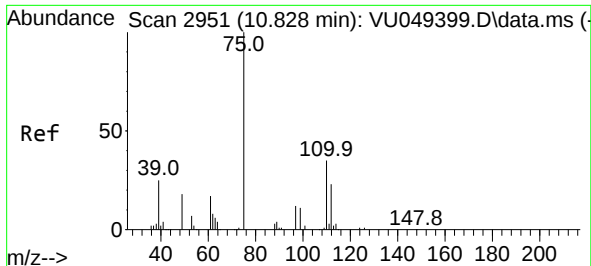
Tgt Ion:106 Resp: 1172
Ion Ratio Lower Upper
106 100
91 214.4 103.5 310.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Tgt Ion:152 Resp: 197494
Ion Ratio Lower Upper
152 100
115 61.1 37.0 110.9
150 155.2 0.0 342.2

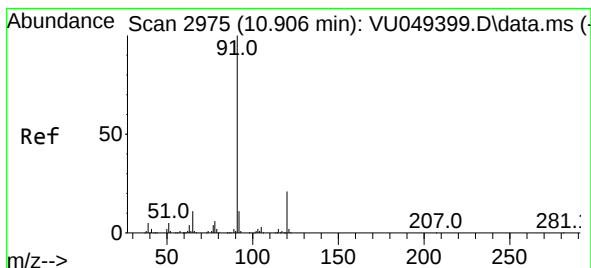
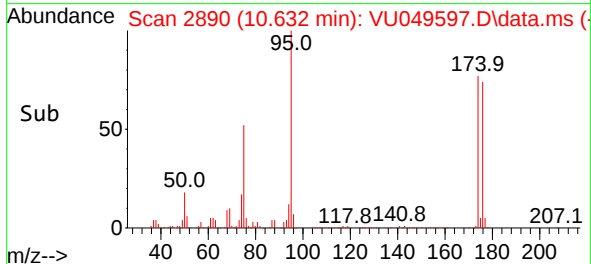
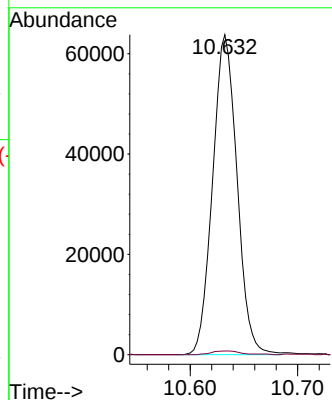
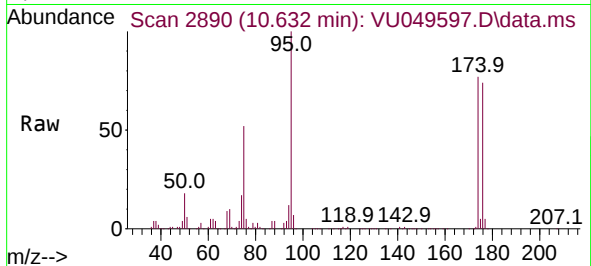




#76
1,2,3-Trichloropropane
Concen: 15.036 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.196 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

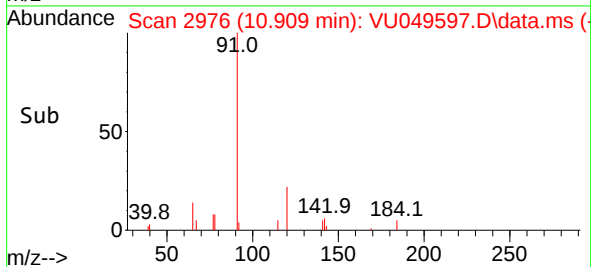
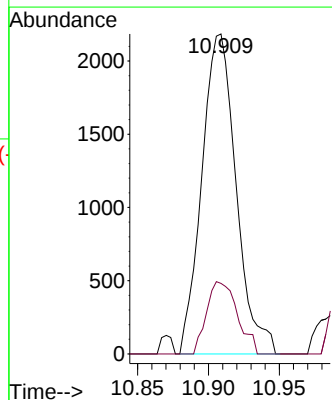
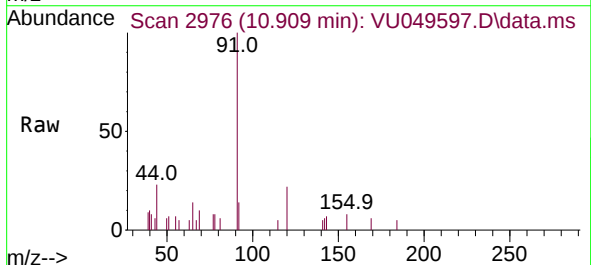
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5-GR

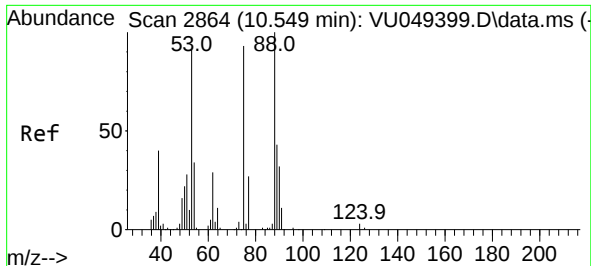
Tgt Ion: 75 Resp: 100666
Ion Ratio Lower Upper
75 100
77 1.4 15.8 47.3#



#78
n-propylbenzene
Concen: 0.215 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Tgt Ion: 91 Resp: 3680
Ion Ratio Lower Upper
91 100
120 20.2 11.9 35.5

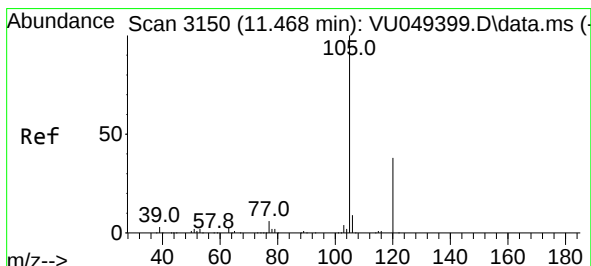
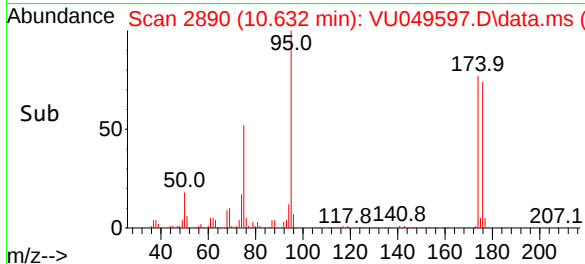
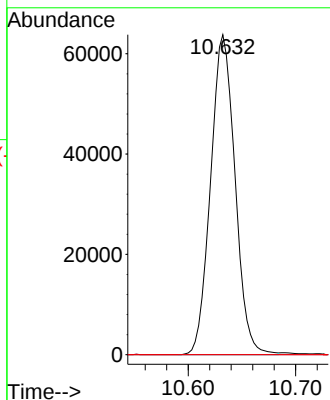
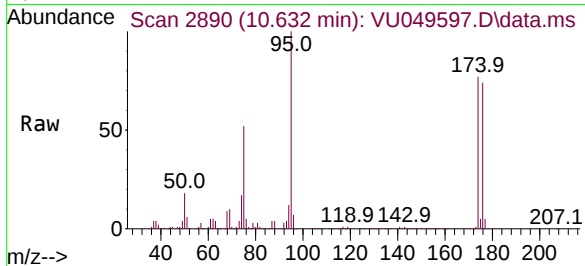




#81
trans-1,4-Dichloro-2-butene
Concen: 55.527 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

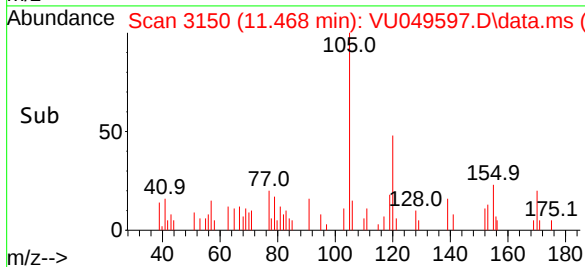
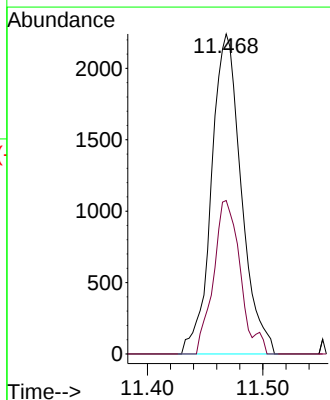
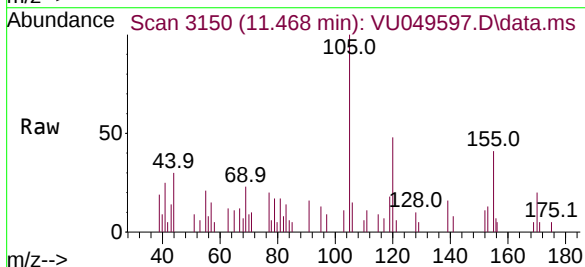
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-5-GR

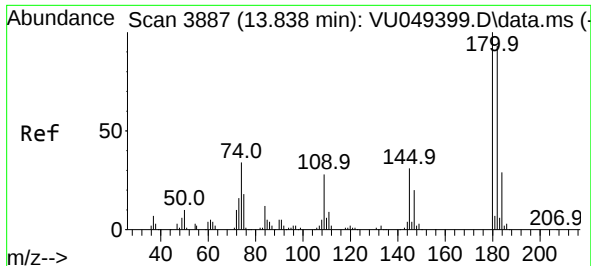
Tgt Ion: 75 Resp: 100666
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.333 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU049597.D
Acq: 01 Jul 2022 21:18

Tgt Ion: 105 Resp: 4018
Ion Ratio Lower Upper
105 100
120 42.9 23.4 70.3

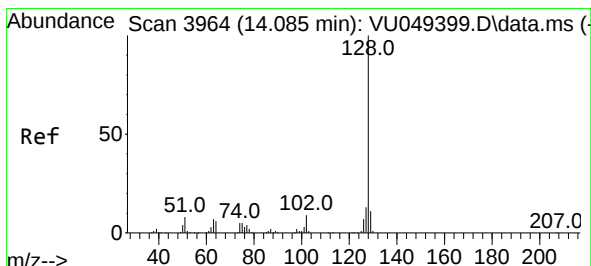
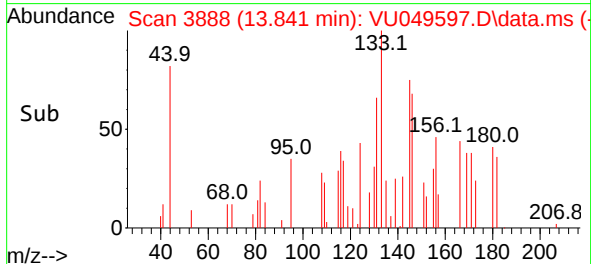
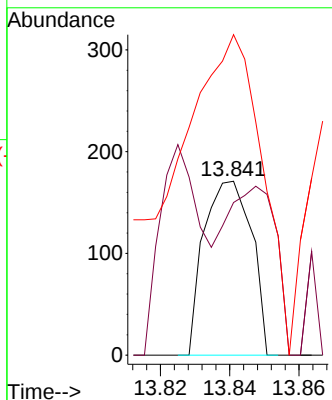
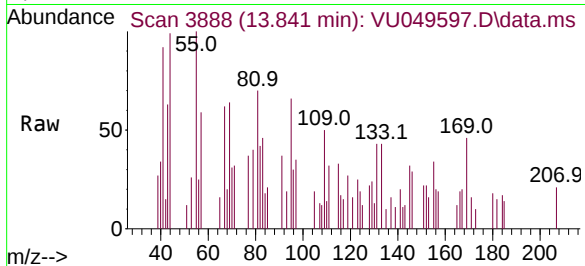




#93
 1,2,4-Trichlorobenzene
 Concen: 1.789 ug/l
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU049597.D
 Acq: 01 Jul 2022 21:18

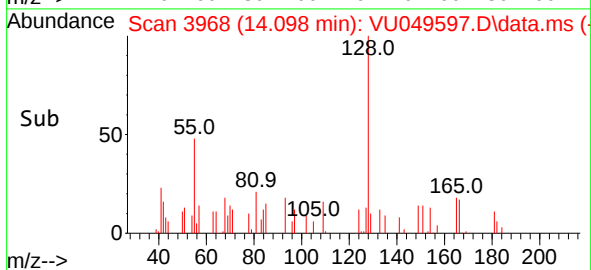
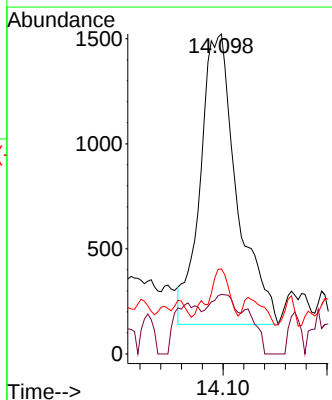
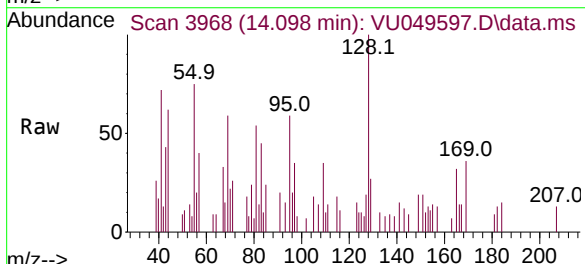
Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-5-GR

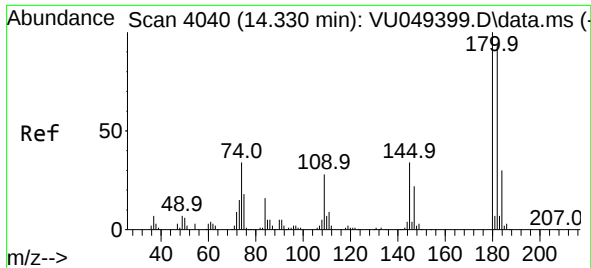
Tgt Ion:	180	Resp:	163
Ion	Ratio	Lower	Upper
180	100		
182	103.7	47.9	143.6
145	356.4	14.0	41.9#



#95
 Naphthalene
 Concen: 1.946 ug/l
 RT: 14.098 min Scan# 3968
 Delta R.T. 0.013 min
 Lab File: VU049597.D
 Acq: 01 Jul 2022 21:18

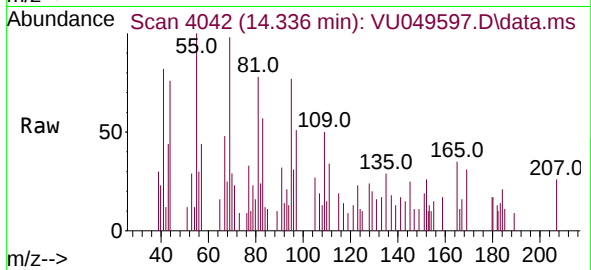
Tgt Ion:	128	Resp:	3366
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	8.6	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.270 ug/l
 RT: 14.336 min Scan# 4040
 Delta R.T. 0.006 min
 Lab File: VU049597.D
 Acq: 01 Jul 2022 21:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-5-GR



Tgt Ion:180 Resp: 432
 Ion Ratio Lower Upper
 180 100
 182 47.9 48.4 145.0#
 145 0.0 14.8 44.4#

